

VOLUME 21, 1997

CONTENTS INDEX

Volume 21 Number 1

January/February 1997

R. Asokan, M. Arumugam
and P. Mullainadhan

U. B. Godwin, A. Antao,
M. R. Wilson, V. G. Chinchár,
N. W. Miller, L. W. Clem and
T. J. McConnell

E. Hirose, Y. Taneda and T. Ishii

J. H. W. M. Rombout,
J. W. van de Wal, A. Companjen,
N. Taverne and J. J. Taverne-Thiele

C. B. Ibars, A. B. Rodriguez,
K. Skwarlo-Sonta and R. W. Lea

Full-length Papers

- 1 Activation of prohenoloxidase in the plasma and haemocytes of the marine mussel *Perna viridis* Linnaeus
- 13 MHC class II *B* genes in the channel catfish (*Ictalurus punctatus*)
- 25 Two modes of tunic cuticle formation in a colonial ascidian *Aplidium yamazii*, responding to wounding
- 35 Characterization of a T cell lineage marker in carp (*Cyprinus carpio* L.)
- 47 Mitogenic effect of naturally occurring elevated plasma prolactin on ring dove lymphocytes
- 59 Ad Hoc Reviewers
- 61 Abstracts of the 8th Scientific Meeting of the Japanese Association for Developmental and Comparative Immunology (JADCI)
- I Announcement

Volume 21 Number 2

March/April 1997

*Special Issue: Abstracts of the 7th Congress of the
International Society of Developmental and Comparative
Immunology, July 21–25, 1997*

Volume 21 Number 3

May/June 1997

Full-length Papers

- P. J. Beresford,
J. M. Basinski-Gray,
J. K. C. Chiu, J. S. Chadwick
and W. P. Aston* 253 Characterization of hemolytic and
cytotoxic *Gallysins*: a relationship
with arylphorins
- J. Torreilles, M.-C. Guérin and
P. Roch* 267 Peroxidase-release associated with
phagocytosis in *Mytilus galloprovin-*
cialis haemocytes
- E. Solon, A. P. Gupta and
R. Gaugler* 277 Localization of a putative inositol
1,4,5-triphosphate receptor in the
Limulus granulocyte
- E. C. McKinney and
M. C. Schmale* 287 Damselfish with neurofibromatosis
exhibit cytotoxicity towards retro-
virus infected cells
- E. M. Bertram, A. R. Jilbert
and I. Kotlarski* 299 Optimization of an in vitro assay
which measures the proliferation of
duck T lymphocytes from peripheral
blood in response to stimulation
with PHA and CONA
- R. Bullido, N. Doménech,
B. Alvarez, F. Alonso,
M. Babin, A. Ezquerro,
E. Ortuño and J. Domínguez* 311 Characterization of five monoclonal
antibodies specific for swine class II
major histocompatibility antigens
and crossreactivity studies with leu-
kocytes of domestic animals

Volume 21 Number 4

July/August 1997

Full-length Papers

- D. Wittwer, C. Weise, P. Götz and A. Wiesner* 323 LPS (lipopolysaccharide)-activated immune responses in a hemocyte cell line from *Estigmene acrea* (Lepidoptera)
- L. Bramble and R. S. Anderson* 337 Modulation of *Crassostrea virginica* hemocyte reactive oxygen species production by *Listonella anguillarum*
- G. A. C. Blanco, A. M. Escalada, E. Alvarez and S. Hajos* 349 LPS-induced stimulation of phagocytosis in the sipunculan worm *Themiste petricola*: possible involvement of human CD14, CD11B and CD11C cross-reactive molecules
- N. E. Demers and C. J. Bayne* 363 The immediate effects of stress on hormones and plasma lysozyme in rainbow trout
- R. M. Wooten, M. A. Cuchens, A. L. Causey, L. William Clem and J. E. Bly* 375 Effects of oleic acid on murine CD4⁺ T cell death and anti-CD3 or superantigen induced proliferation at low temperature

Volume 21 Number 5

September/October 1997

Full-length Papers

- L. M. Perazzolo and M. A. Barracco* 385 The prophenoloxidase activating system of the shrimp *Penaeus paulensis* and associated factors
- B. Robertsen, G. Trobridge and J.-A. Leong* 397 Molecular cloning of double-stranded RNA inducible MX genes from Atlantic salmon (*Salmo salar* L.)
- J. M. Thomson, H. W. Waldrip and M. M. Compton* 413 Identification of a differential display product associated with apoptosis in chicken thymocytes
- S. De Guise, J. Bernier, D. Martineau, P. Béland and M. Fournier* 425 Phenotyping of beluga whale blood lymphocytes using monoclonal antibodies
- M. Hamad, M. Whetsell, J. Wang and J. R. Klein* 435 T cell progenitors in the murine small intestine
- J. Fló and E. Massouh* 443 Age-related changes of naive and memory CD4 rat lymphocyte subsets in mucosal and systemic lymphoid organs

Volume 21 Number 6

November/December 1997

Special Issue: Immunity and Aging

Full-length Papers

- G. Wick and B. Grubeck-Loebenstein* 455 Editorial
- M. V. Hobbs and D. N. Ernst* 461 T cell differentiation and cytokine expression in late life
- R. B. Effros* 471 Loss of CD28 expression on T lymphocytes: A marker of replicative senescence
- K. S. Madden, S. T. Rajan, D. L. Bellinger, S. Y. Felten and D. L. Felten* 479 Age-associated alterations in sympathetic neural interactions with the immune system
- W. B. Ershler, S. M. Harman and E. T. Keller* 487 Immunologic aspects of osteoporosis
- R. Glück and A. Wegmann* 501 Influenza vaccination in the elderly
- J. D. Mountz and H.-C. Hsu* 509 Clinical features associated with correction of T-cell senescence: Increased acute-phase response, amyloidosis and arthritis
- D. Frasca and G. Doria* 525 Recombinant cytokines as an approach to immune reconstitution in aging

I Index to Volume 21

